

What Is Claimed Is:

See B1

1. An ink jet recording apparatus comprising a plurality of nozzles for discharging a functional liquid, wherein said plurality of nozzles is divided into a plurality of groups the number of which is fewer than the number of said nozzles, and discharge quantity of said functional liquid discharged from said nozzles is controlled group by group.

2. The ink jet recording apparatus according to claim 1, wherein said functional liquid is ink, and a color filter can be manufactured.

3. The ink jet recording apparatus according to claim 1, wherein said functional liquid is a solution of electroluminophor, and an EL element substrate can be manufactured.

4. The ink jet recording apparatus according to claim 1, wherein said functional liquid is an electrically conducting particle dispersion solution, and a substrate comprising a conducting wiring pattern can be manufactured.

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5. The ink jet recording apparatus according to any one of claims 1 to 4, wherein positions on ink jet head on which said plurality of nozzles is arranged are divided into a plurality of areas, and nozzles belonging to each area are made to belong to a single group.

6. The ink jet recording apparatus according to
any one of claims 1 to 5,

wherein said ink jet head on which said
plurality of nozzles is arranged comprises cavities
provided for each of said nozzles, a reservoir
communicating to said cavities and common to said nozzles,
and a supply port for supplying said functional liquid to
said reservoir; and

wherein said plurality of groups comprise at
least a first group comprising nozzles of said plurality
of nozzles positioned close to said supply port, and a
second group comprising nozzles of said plurality of
nozzles positioned far from said supply port.

7. A method for manufacturing a functional liquid
applied substrate by an ink jet recording apparatus
comprising a plurality of nozzles capable of discharging
a functional liquid,

wherein said plurality of nozzles is divided
into a plurality of groups the number whereof is fewer
than number of said nozzles,

wherein waveform of a signal for controlling
discharge of said functional liquid from said nozzles is
regulated for each group, and

wherein said functional liquid is discharged in
pixels formed on a substrate.

8. The method for manufacturing a functional liquid applied substrate according to claim 7, wherein positions on ink jet head on which said plurality of nozzles is arranged are divided into a plurality of areas, and nozzles belonging to each area are made to belong to a single group.

9. The method for manufacturing a functional liquid applied substrate according to claim 7 or 8, wherein said ink jet head on which said plurality of nozzles is arranged comprises cavities provided for each of said nozzles, a reservoir communicating to said cavities and common to said nozzles, and a supply port for supplying said functional liquid to said reservoir; and

wherein said plurality of groups comprise at least a first group comprising nozzles of said plurality of nozzles positioned close to said supply port, and a second group comprising nozzles of said plurality of nozzles positioned far from said supply port.

10. A method for manufacturing a device comprising a functional liquid applied substrate manufactured by the method according to any one of claims 7 to 9.

11. A method for manufacturing electronic equipment wherein an electro-optical apparatus manufactured by the method according to claim 10 is used.

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12. A device comprising a functional liquid applied
substrate manufactured by the method according to any one
of claims 7 to 9.